| 5 89<br>6 89<br>7 1330   |  |  |  | 4 108   | 3 193  | 2 1036   | 1 6833                            | Hits        |  |
|--|--|--|--|---|--|--|-----------------------------------|-------------|--|
| warehouse") with (storing or store or stored) with models)) and index) and attribute) and @ad<=20000922  data nearl mining | with (storing or store or models)) and index) and and lead<=20000922 | c (mining or model\$3))) cr "data store") with cr entries))) and | <pre>(((((data near1 (mining or model\$3))) and ((database or "data store") with   (record or entry or entries))) and   ((repository or database or "data   warehouse") with (storing or store or   stored) with models)) and index) and   attribute</pre> | <pre>(((((data near1 (mining or model\$3))) and ((database or "data store") with (record or entry or entries))) and ((repository or database or "data warehouse") with (storing or store or stored) with models)) and index</pre> | <pre>(((data near1 (mining or model\$3))) and ((database or "data store") with (record or entry or entries))) and ((repository or database or "data warehouse") with (storing or store or stored) with models)</pre> | <pre>(mining or model\$3))) and r "data store") with ntry or entries))</pre> | (data nearl (mining or model\$3)) | Search Text |  |
| USPAT; US-PGPUB  |  | USPAT; EPO; JPO;<br>IBM_TDB ,                                    | USPAT; EPO; JPO;<br>IBM_TDB  | USPAT; EPO; JPO;<br>IBM_TDB   | USPAT; EPO; JPO;<br>IBM_TDB  | USPAT; EPO; JPO;<br>IBM_TDB  | USPAT; EPO; JPO;<br>IBM_TDB       | DBs         |  |
| 2002/12/16 09:22   |  | 2002/12/13 15:06   | 2002/12/13 15:05   | 2002/12/13 15:05  | 2002/12/13 15:05   | 2002/12/13 15:02   | 2002/12/13 15:01                  | Time Stamp  |  |

|   | 24 1   | 23 3   | 22 99   | 21 103  | 20 1                                    | 19 20  | 18 20   | 17 556                             |             |
|---|--|--|---|---|---|--|---|------------------------------------|-------------|
|   |  |  |   | ω   |   |  |   | 0                                  | Hits        |
| <pre>(((temporary adjl storage) same (export\$3 or transfer\$4 or send\$3 or stor\$3) same (repository or</pre> | storage) same<br>sfer\$4 or send\$3 or<br>ository or<br>ad<=20000922) and<br>pository or | (((temporary adj1 storage) same (export\$3 or transfer\$4 or send\$3 or stor\$3) same (repository or warehouse)) and @ad<=20000922) and ("data mining" or (data near1 model\$4)) | ge) same<br>4 or send\$3 or<br>ry or<br>0000922 | (temporary adj1 storage) same<br>(export\$3 or transfer\$4 or send\$3 or<br>stor\$3) same (repository or warehouse) | (temporary adj1 storage) same export\$3 | ((model adj (repository or database))   same index\$3) and @ad<=20000922 | <pre>(model adj (repository or database))   same index\$3</pre> | model adj (repository or database) | Search Text |
| USPAT; EPO; JPO;  | USPAT; EPO; JPO;<br>IBM_TDB  | USPAT; EPO; JPO;<br>IBM_TDB  | USPAT; EPO; JPO;<br>IBM_TDB                     | USPAT; EPO; JPO;<br>IBM_TDB   | USPAT; EPO; JPO;<br>IBM_TDB             | USPAT; EPO; JPO;<br>IBM_TDB ,  | USPAT; EPO; JPO;<br>IBM_TDB                                     | EPO;                               | DBs         |
| 2002/12/16 11:03  | 2002/12/16 11:04   | 2002/12/16 11:09   | 2002/12/16 11:02                                | 2002/12/16 11:07  | 2002/12/16 10:49                        | 2002/12/16 10:47   | 2002/12/16 10:15  | 2002/12/16 10:04                   | Time Stamp  |

| Hits   | 26   | 27 1335                                      | 28 467  | _   | 29 121                                  | 0 9   |  |
|--|--|--|---|---|---|---|--|
| Search Text  (((temporary adjl storage) same (export\$3 or transfer\$4 or send\$3 or | <pre>same (repository or e)) and @ad&lt;=20000922) and   same (repository or e))</pre> | database<br>or send\$<br>or                  | ((temporary adj1 storage) or database) same ((export\$3 or transfer\$4 or send\$3 or stor\$3) adj5 (repository or warehouse)) | (((temporary adj1 storage) or database) same ((export\$3 or transfer\$4 or send\$3 or stor\$3) adj5 (repository or warehouse))) and ("databata) | (data near1 mode1\$4))                  | or (data near1 model\$4))  porary adj1 storage) or e) same ((export\$3 or r\$4 or send\$3 or stor\$3) tory or warehouse))) and or (data near1 model\$4)) 000922 | or (data near1 model\$4))  porary adj1 storage) or e) same ((export\$3 or r\$4 or send\$3 or stor\$3) tory or warehouse))) and or (data near1 model\$4)) 000922  mporary adj1 storage) or e) same ((export\$3 or r\$4 or send\$3 or stor\$3) tory or warehouse))) and or (data near1 model\$4)) 000922) and (index\$3 same tory or warehouse)) |
| DBs  | USPAT; EPO; JPO;<br>IBM_TDB  | abase)<br>send\$3USPAT; EPO; JPO;<br>IBM_TDB | USPAT; EPO; JPO;<br>IBM_TDB   | •   | adj5 USPAT; EPO; JPO;<br>("data IBM_TDB | JSPAT; EPO;<br>IBM_TDB<br>JSPAT; EPO;<br>IBM_TDB  | JSPAT; EPO; IBM_TDB JSPAT; EPO; IBM_TDB  |
| Time Stamp   | 2002/12/16 11:09   | 2002/12/16 11:08                             | 2002/12/16 11:08  |   | 2002/12/16 11:09                        |   | <b>!</b>   |

|        | Hits | Search Text (707/100.ccls. or 707/104\$2.ccls. or  |                     | DBs Time St                |
|--------|------|--|---------------------|----------------------------|
|        |      | (707/100_ccls_or_707/104\$2_ccls   |                     |                            |
| 34     | 201  | ((707/100.ccls. or 707/104\$2.ccls. or 706/12.ccls.) and (mining or model\$4)) and (stor\$3 with (model or metadata) with (repository or warehouse or database))   | USPAT; US           | 9-PGPUB 2002/12/16         |
| 3<br>5 | 69   | (((707/100.ccls. or 707/104\$2.ccls. or 706/12.ccls.) and (mining or model\$4)) and (stor\$3 with (model or metadata) with (repository or warehouse or database)) and (index\$3 with (models or metadata or repository or database or warehouse))                      | USPAT; US           | S-PGPUB 2002/12/16 14:03   |
| 3<br>6 | 56   | ((((707/100.ccls. or 707/104\$2.ccls. or 706/12.ccls.) and (mining or model\$4)) and (stor\$3 with (model or metadata) with (repository or warehouse or database))) and (index\$3 with (models or metadata or repository or database or warehouse))) and @ad<=20000922 | USPAT; US           | S-PGPUB 2002/12/16         |
| 37     | 581  | attributes near2 model   | USPAT; E<br>IBM_TDB | EPO; JPO; 2002/12/17       |
| 38     | 52   | ta model"  | <b>)</b><br>BB      | EPO; JPO; 2002/12/17       |
| 39     | 4    | same   | ₽                   | 0;                         |
| 40     | 26   | <pre>(attributes near2 "data model") and index\$3</pre>  | USPAT;<br>IBM_TDB   | EPO; JPO; 2002/12/17       |
| 41     | 22   | <pre>((attributes near2 "data model") and<br/>index\$3) not ((attributes near2 "data<br/>model") same index\$3)</pre>  | USPAT;<br>IBM_TDB   | EPO; JPO; 2002/12/17 10:40 |

|                            | 54 9  | 53 37               | 52 1                               | 51 4                      | 50 93  | 49 10  | 48 1  | 47 4                        | 46 4  | 45 1                                | 44 27  | 43 2                                | 42 2  |             |
|----------------------------|---|---------------------|------------------------------------|---------------------------|--|--|---|-----------------------------|---|-------------------------------------|--|-------------------------------------|---|-------------|
|                            |   | 7                   |                                    | 6                         | ω  | 0  | 1612  | 8                           | 9   | 190                                 |  | 8                                   | N   | Hits        |
| ct adj1 folder) and ("data | adj1 folder) and ("data<br>r (data adj model\$3)) | project adjl folder | (project adjl folder) with stor\$3 | ith stor\$3<br>ning") and | or database) with stor\$3 with d "data mining" | ((folder or database) with stor\$3 with model) and (((temporar\$3 with stor\$3 with model) and ("data mining" or (data nearl model))) and @ad<=20000922) | (folder or database) with stor $\$3$ with model | odel)<br>r1                 | with stor\$3 with model)<br>ining" or (data nearl | temporar\$3 with stor\$3 with model | (index\$3 with attributes with model)  <br>  and @ad<=20000922 | index\$3 with attributes with model | (((attributes near2 "data model") and index\$3) not ((attributes near2 "data model") same index\$3)) and lead<=20000922 | Search Text |
| USPAT; EPO; JPO;           | USPAT; EPO; JPO;<br>IBM_TDB                       | EPO;<br>B           | ٠.                                 | USPAT; US-PGPUB           | USPAT; US-PGPUB                                | USPAT; US-PGPUB  | USPAT; US-PGPUB                                 | USPAT; EPO; JPO;<br>IBM_TDB | USPAT; EPO; JPO;<br>IBM_TDB                       | USPAT; EPO; JPO;<br>IBM_TDB         | EPO;   |                                     | USPAT; EPO; JPO;<br>IBM_TDB   | DBs         |
| 2002/12/17 16:54           | 2002/12/17 16:54                                  | 2002/12/17 16:53    | 2002/12/17 16:53                   | 2002/12/17 16:52          | 2002/12/17 15:55                               | 2002/12/17 15:55   | 2002/12/17 15:51                                | 2002/12/17 14:35            | 2002/12/17 14:35                                  | 2002/12/17 14:34                    | 2002/12/17 14:33   | 2002/12/17 11:07                    | 2002/12/17 10:40  | Time Stamp  |

|    | Hits | Search Text   | DRs                          | Time Stamp       |
|----|------|---|------------------------------|------------------|
| 56 | 68   | <pre>compar\$4 with (relevant or pertinent) with model</pre>  | USPAT; EPO; JPO;<br>IBM TDB  | 2002/12/19 09:09 |
| 57 | 67   | (compar\$4 with (relevant or pertinent) with model) and @ad<=20000922   | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:07 |
| 58 | 0    | ent) with (relevar<br>0000922) and "data  | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:07 |
| 59 | 1    | <pre>(compar\$4 or determin\$5) with (most<br/>adj (relevant or pertinent)) with<br/>model</pre>  | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:11 |
| 60 | 60   | or determin\$5) with (most nt or pertinent))) same r query\$3 or retriev\$3)  | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:12 |
| 61 | 60   | <pre>(((compar\$4 or determin\$5) with (most<br/>adj (relevant or pertinent))) same<br/>(search\$3 or query\$3 or retriev\$3))<br/>and @ad&lt;=20000922</pre>                     | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:16 |
| 62 | 0    | <pre>((((compar\$4 or determin\$5) with (most<br/>adj (relevant or pertinent))) same<br/>(search\$3 or query\$3 or retriev\$3))<br/>and @ad&lt;=20000922) and "data mining"</pre> | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:13 |
| 63 | 5    | (((compar\$4 or determin\$5) with (most adj (relevant or pertinent))) same (search\$3 or query\$3 or retriev\$3)) same algorithm  | USPAT; EPO; JPO;<br>IBM_TDB  | 2002/12/19 09:16 |
| 64 | 885  | "data warehouse"  | USPAT; US-PGPUB              | 2002/12/19 10:19 |
| 65 | 199  | "data warehouse" and "data mining"  | USPAT; US-PGPUB              | 2002/12/19 10:19 |
| 99 | 90   | ("data warehouse" and "data mining") and @ad<=20000922  | USPAT; US-PGPUB              | 2002/12/19 11:06 |
| 67 | 104  | <pre>(index\$3 with attributes) and (index\$3 with (sub-set or subset))</pre>   | 3USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 11:26 |

|    | Hits | Search Text   | DBs                         | Time Stamp       |
|----|------|---|-----------------------------|------------------|
| 88 | 17   | <pre>((index\$3 with attributes) and (index\$3 with (sub-set or subset))) and "data mining"</pre>   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 11:24 |
| 69 | 17   | (((index\$3 with attributes) and (index\$3 with (sub-set or subset))) and "data mining") and @ad<=20000922  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 11:26 |
| 70 | 37   | <pre>(index\$3 with attributes) same (index\$3 with (sub-set or subset))</pre>  | USPAT; EPO; JPO;<br>IBM TDB | 2002/12/19 11:26 |
| 71 | 33   | ((index\$3 with attributes) same (index\$3 with (sub-set or subset))) and @ad<=20000922   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 11:30 |
| 72 | 10   | (((index\$3 with attributes) same (index\$3 with (sub-set or subset))) and (attribute near2 table)  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 11:30 |
| 73 | 239  | (attribute near2 table) same index\$3   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 14:33 |
| 74 | 82   | <pre>((attribute near2 table) same index\$3) and ((tree or hierarch\$4) same (index\$3 or table))</pre>   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 14:34 |
| 75 | 37   | <pre>(((attribute near2 table) same<br/>index\$3) and ((tree or hierarch\$4)<br/>same (index\$3 or table))) and (column<br/>with attribute)</pre>                     | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 14:35 |
| 76 | 28   | (((attribute near2 table) same index\$3) and ((tree or hierarch\$4) same (index\$3 or table))) and (row with attribute)   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 14:35 |
| 77 | 28   | <pre>((((attribute near2 table) same<br/>index\$3) and ((tree or hierarch\$4)<br/>same (index\$3 or table))) and (row<br/>with attribute)) and @ad&lt;=20000922</pre> | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 14:35 |
| 78 | 504  | <pre>(database or repository) same (storage USPAT; with level)</pre>  | USPAT; EPO; JPO;<br>IBM TDB | 2002/12/19 16:13 |
| 79 | 59   | ((database or repository) same (storage with level)) and project and diagram and model  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 16:11 |

| _  | Hits   | Search Text   | DBs                         | Time Stamp       |
|----|--------|---|-----------------------------|------------------|
| 80 | 5<br>8 | (((database or repository) same (storage with level)) and project and diagram and model) and @ad<=20000922        | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 16:12 |
| 81 | 23     | (database or repository) same project same diagram same model   | USPAT; EPO; JPO;<br>IBM TDB | 2002/12/19 16:14 |
| 82 | 20     | ((database or repository) same project same diagram same model) and @ad<=20000922                                 | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 16:41 |
| 83 | 367    | <pre>(database or repository) with (organiz\$3 with (level or hierarch\$6 or tree))</pre>                         | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 17:08 |
| 84 | 9      | ((database or repository) with (organiz\$3 with (level or hierarch\$6 or tree))) and "data mining"                | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 16:43 |
| 85 | 0      | <pre>(database or repository) with (organiz\$3 with (storage near1 levels))</pre>                                 | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/19 17:08 |
| 86 | 1      | <pre>(database or repository) same (organiz\$3 with (storage near1 levels))</pre>                                 | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 08:29 |
| 87 | 84     | (database or repository) same (storage nearl levels)  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 08:29 |
| 88 | 78     | ((database or repository) same (storage nearl levels)) and @ad<=20000922  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 08:44 |
| 89 | 17     | ((database or repository) same<br>storage nearl levels)) and<br>ad<=20000922) and project and model<br>nd diagram | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 09:01 |
| 90 | 0      | ata mining" and (project same agram same model)   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 09:02 |
| 91 | 58     | ("data mining" or (data nearl model\$3)) and (project same diagram same model)                                    | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 09:02 |

|     | Hits    | Search Text   | DBs                         | Time Stamp       |
|-----|---------|---|-----------------------------|------------------|
| 92  | 55      | <pre>(("data mining" or (data near1 model\$3)) and (project same diagram same model)) and (database or repository or "data warehouse")</pre>                        | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 93  | 54      | <pre>((("data mining" or (data near1 model\$3)) and (project same diagram same model)) and (database or repository or "data warehouse")) and @ad&lt;=20000922</pre> | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 09:03 |
| 94  | 128     | ((configuration or config) near1 file) same (export\$3 or index\$3)   | USPAT; EPO; JPO;<br>IBM TDB | 2002/12/20       |
| 95  | 10      | (((configuration or config) nearl file) same (export\$3 or index\$3)) and ("data mining" or (data nearl model\$3))  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 96  | 27      | ((configuration or config) nearl file) same export\$3   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 97  | 102     | or config) nearl file)  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 98  | <b></b> | figuration or config) nearl same export\$3) and figuration or config) nearl same index\$3)  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 99  | 27      | (((configuration or config) near1 file) same export\$3) and @ad<=20000922   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 100 | 93      | (((configuration or config) near1 file) same index\$3) and @ad<=20000922  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 101 | 16      | or config) nearl file)<br>r creat\$3 or<br>index\$3)  | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20       |
| 102 | 15      | (((configuration or config) near1 file) same ((build\$3 or creat\$3 or generat\$3) with index\$3)) and :@ad<=20000922   | USPAT; EPO; JPO;<br>IBM_TDB | 2002/12/20 15:37 |

|     | Hits  | Search Text  | DBs                           | Time Stamp       |
|-----|-------|--|-------------------------------|------------------|
| 103 | 348   | repositories   | orUSPAT; EPO; JPO;<br>IBM TDB | 2002/12/20 15:38 |
| 104 | 6     | more" or pluralit<br>le) near2 reposito  | USPAT; EPO; JPO;<br>IBM_TDB   | 2002/12/20 15:38 |
| 105 | 4     | ((("one or more" or plurality or many or multiple) near2 repositories) same index\$3) and @ad<=20000922  | USPAT; EPO; JPO;<br>IBM_TDB   | 2002/12/20 15:38 |
| 106 | 19857 | <pre>(export\$3 or send\$3 or transfer\$4) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)</pre>   | USPAT; US-PGPUB               | 2002/12/23 10:19 |
| 107 | 23074 | (export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)  | USPAT                         | 2002/12/23 10:58 |
| 108 | 3013  | ((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination); with address)) and ((write or writing) near2 (access or privilege or rights))  | USPAT                         | 2002/12/23 10:22 |
| 109 | 309   | ((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)) and ((determin\$5 or test\$3 or check\$3) with ((write or writing) near2 (access or privilege or rights))) | USPAT                         | 2002/12/23 10:29 |

|     | Hits | Search Text  | DBs   | Time       |
|-----|------|--|-------|------------|
| 110 | 0    | (((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)) and ((determin\$5 or test\$3 or check\$3) with ((write or writing) near2 (access or privilege or rights)))) and "data mining" | USPAT | 2002/12/23 |
| 111 | 221  | (((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)) and ((determin\$5 or test\$3 or check\$3) with ((write or writing) near2 (access or privilege or rights)))) and @py<=1999     | USPAT | 2002/12/23 |
| 112 |      | ((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)) and ((determin\$5 or test\$3 or check\$3) with user with ((write or writing) near2 (access or privilege or rights)))           | USPAT | 2002/12/23 |
| 113 | 28   | ((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination) with address)) and 707/9.ccls.  | USPAT | 2002/12/23 |
| 114 | 28   | (((export\$3 or send\$3 or transfer\$4 or write or writing) same ((specify\$3 or designat\$3 or provid\$3 or destination)  with address)) and 707/9.ccls.) and @ad<=20000922   | USPAT | 2002/12/23 |